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	APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
	10/724,280	11/28/2003	Dale E. Hocevar TI-3		1140
	23494 7:	590 07/12/2006		EXAMINER	
TEXAS INSTRUMENTS INC P O BOX 655474, M/S 3999			RPORATED	CHASE, SHELLY A	
	DALLAS, TX			ART UNIT	PAPER NUMBER
				2133	
				DATE MAILED: 07/12/2006	5

Please find below and/or attached an Office communication concerning this application or proceeding.

. '		Application No.	Ann II ann Ma)				
Office Action Summary		Application No.	Applicant(s)				
		10/724,280	HOCEVAR, DALE E.				
		Examiner	Art Unit				
		Shelly A. Chase	2133				
The MAILING DATE of this communication appears on the cover sheet with the correspondence address Period for Reply							
A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 3 MONTH(S) OR THIRTY (30) DAYS, WHICHEVER IS LONGER, FROM THE MAILING DATE OF THIS COMMUNICATION. - Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication. - If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication. - Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133). Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).							
Status							
1)⊠	Responsive to communication(s) filed on 28 November 2003.						
2a) <u></u> ☐	☐ This action is FINAL . 2b)☑ This action is non-final.						
3)□	3) Since this application is in condition for allowance except for formal matters, prosecution as to the merits is						
	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.						
Disposition of Claims							
5)⊠ 6)⊠ 7)⊠	4) ☐ Claim(s) 1-34 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) ☐ Claim(s) 1-31 is/are allowed. 6) ☐ Claim(s) 32 and 33 is/are rejected. 7) ☐ Claim(s) 34 is/are objected to. 8) ☐ Claim(s) are subject to restriction and/or election requirement.						
Application Papers							
 9) ☐ The specification is objected to by the Examiner. 10) ☐ The drawing(s) filed on 28 November 2003 is/are: a) ☐ accepted or b) ☐ objected to by the Examiner. Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a). Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d). 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152. 							
Priority under 35 U.S.C. § 119							
12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received.							
2) Notice	t(s) e of References Cited (PTO-892) e of Draftsperson's Patent Drawing Review (PTO-948) nation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) r No(s)/Mail Date 11-03 & 01-06.	4) Interview Summary Paper No(s)/Mail Da 5) Notice of Informal P 6) Other:					

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DETAILED ACTION

1. Claims 1 to 34 are presented for examination.

Information Disclosure Statement

2. The references listed in the information disclosure statement submitted on 11-28-2003 and 1-17-2006 have been considered by the examiner (see attached PTO-1449).

Specification

3. The abstract of the disclosure is objected to because the numerals referring to elements in the drawings are not standard for an abstract; please remove all numerals. Correction is required. See MPEP § 608.01(b).

Claim Rejections - 35 USC § 102

4. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.
- 5. Claims **32** and **33** are rejected under 35 U.S.C. 102(e) as being anticipated by Kang (USP 6718514 B2).

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Claim **32**:

Kang teaches a parity check device for a data communication system comprising: a shifter (350) for shifting half the length of data ("a selected portion") (see fig 3 and col. 3, lines 60 to 65) and a register (340) ("first accumulator") that stores the results of the operation unit (360) (see col. 4, lines 45 to 50). Kang also teaches that the operation unit performs XOR operations on data received from the shifter and the register (340) (see col. 4, lines 39 et seq.).

As per claim 33, Kang teaches that the first register receives a stores the initialized data and the XOR operation results (see col. 4, lines 59 et seq.).

Allowable Subject Matter

- 6. Claim 34 is objected to as being dependent upon a rejected base claim, but would be allowable if rewritten in independent form including all of the limitations of the base claim and any intervening claims.
- 7. Claims 1 to 31 are allowed.
- 8. The following is a statement of reasons for the indication of allowable subject matter: the primary reason for the allowance of the claims is the inclusion of the limitation of "a matrix value memory for storing shift and weight parameters associated with each of a plurality of macro matrix entries" that is not found in the prior art made of record. Although the prior art made of record, taken alone or in combination, teaches various methodologies of low density parity check codes, the prior art made of record

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fails to teach or fairly suggest or render obvious the novel element of a memory for storing shift and weight parameters associated with each of a plurality of macro matrix entries as recited in the independent claims.

Conclusion

9. Any inquiry concerning this communication or earlier communications from the examiner should be directed to Shelly A. Chase whose telephone number is 571-272-3816. The examiner can normally be reached on Mon-Thur from 8:00 am to 6:00 pm.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Albert Decady can be reached on 571-272-3819. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

SHELY CHASE PRIMARY EXAMINER